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M-15339 US

MAR 07 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant(s):** Xiang Zhu, et al.

**Title:** CHARGE PUMP FOR A LOW-VOLTAGE WIDE-TUNING RANGE  
PHASE-LOCKED LOOP

**Serial No.:** 10/817,215 **Filing Date:** April 2, 2004

**Examiner:** Anh Quan Tra **Group Art Unit:** 2816

**Docket No.:** M-15339 US **Confirmation No.:** 2417

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Irvine, California  
March 7, 2006

**Via Facsimile to (571) 273-8300**

Mail Stop AF  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO FINAL OFFICE ACTION**

Dear Sir:

This responds to the Final Office Action mailed on January 11, 2006.

Please amend the above-identified application as follows: